Abstract

A web-based data processing system is used in a Business-to-Business (B2B) exchange for providing one-stop manufacturing solutions. In a B2B exchange, this system provides a moderator desktop for project planning, quoting, coordination and supervisory of all web-based business transactions from mechanical/electronic design and production of first article, tooling, production, financing, insurance, warehousing to end-product delivery. Also, this system provides a machine web communication desktop for web-based maintenance and support to members, process lines, systems and machines, and web-based resource sharing to "pay as you go" members and "flat fee" members. Likewise, this system provides dedicated desktops for other participants in the B2B exchange for direct and critical communication, collaboration and commerce transaction with moderator and machine web communication center. Said participants include Customers, Process lines/systems/machines, Strategic Partners, Suppliers and Management team/account/audit/administrator. This system also distributes and manages Request for Quotations (RFQs) for said B2B exchange in NAFTA, Asia Pacific and Europe data servers. Besides, the web-based data processing system provides a direct communication with a collaborative platform. Said collaborative platform may be integrated with existing web-based Enterprise Resource Planning (ERP) and Supply Chain Management (SCM).